(19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 1 September 2005 (01.09,2005)

PCT

(10) International Publication Number WO 2005/080219 A3

(51) International Patent Classification⁷:
B31B 7/00, B65B 3/02, 3/04

(21) International Application Number:

PCT/GB2005/000570

B65D 77/06,

English

(22) International Filing Date: 16 February 2005 (16.02.2005)

(26) Publication Language: English

(30) Priority Data: 0403439.3 17 February 2004 (17.02.2004) GB

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(25) Filing Language:

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,

GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

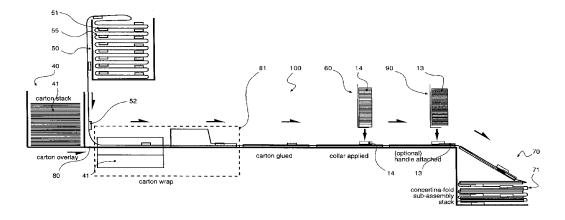
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- (88) Date of publication of the international search report: 17 November 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: AUTOMATED BAG IN BOX ASSEMBLY & CONTENTS FILL



(57) **Abstract:** A BIB carton (150) conjoins a bag (12) with a carton (11) preparatory to carton fill, with an intervening locating collar (14) upon a bag neck upstand (52); an assembly and fill process brings successive individual cartons (41) into juxtaposition with a bag (51) in a continuous bag web (55), using the neck (52) for alignment and registration; a locating retention collar (14) is applied to secure bag neck (52) to carton (41), to create a sub-assembly web stack (71) of conjoined flat-pack BIB cartons (20); an inflation (test) station (110) retrieves these sub-assemblies (20) and inflates/fills them via successive valve caps (111) secured to collars (14); bag (51) inflation / fill causes carton (41) formation around it, before a taping machine closes and seals top (56, 42, 48) and bottom (57, 58) carton flaps.

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